

Your Adventure Begins

Like all of America's national parks, Rocky Mountain National Park is an amazing place. This park was set aside to preserve beautiful mountains, rushing rivers, vast forests and fascinating wild animals. As a Junior Ranger, you are about to become an important part of the park. Junior Rangers help protect the special treasures found in their national parks and back home in their own communities. With your help, we can keep the park protected for many more years to come.

ROCKY MOUNTAIN

Become a Qunior Ranger! Here's How

as you can with your family and friends.

If you are 12 or older, complete 10 of the activities, including two Ecosystem

Challenges. Younger than 12? Finish eight activities in this booklet.

Mountain National Park visitor center or contact station and review your work with a ranger.

achievement on the back cover and you will receive your official Junior Ranger badge.



ACTIVITY 1 Ranger Tips

FILL IN THE BLANKS. Write in a word that helps complete each sentence. Junior Rangers have fun in the park while being safe and following park rules!

A Changing, Living Land

As you hike up a mountain trail or drive along Trail Ridge Road, you can see and feel natural changes. The air turns cooler the higher you go. The trees and plants – and the animals that depend on them for food and shelter – also change as you pass through distinct plant and animal communities called ecosystems. There are four ecosystems in the park:

MONTANE: Found at the park's lower elevations, it's the warmest and driest ecosystem.

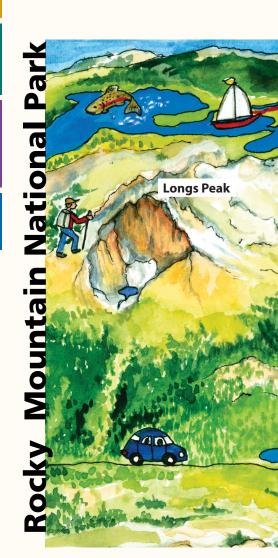
SUBALPINE: Higher up, it turns cooler and wetter. You might see snow in the thick subalpine forests well into summer.

ALPINE TUNDRA: The trees are gone in this arctic-like place way up high. The weather may be windy and cold, and snow can fall in July and August.

RIPARIAN: No matter which ecosystem you're in, land next to lakes and streams is called riparian land.

In some of the pages that follow, you'll see detailed illustrations of each ecosystem. The pictures will show you that the park's changing ecosystems are full of life, even though you might not see it at first glance. Complete the activities about each ecosystem as you go through the park! Let's go!

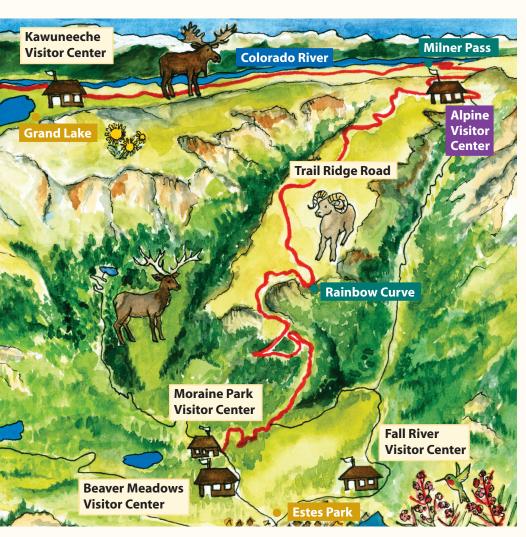
Support for this publication came from the Rocky Mountain Conservancy, Rocky Mountain National Park, El Pomar Foundation and the National Park Foundation.



ACTIVITY 2 Trail Ridge Road Map

In the map below, some destinations along Trail Ridge Road highlight the park's different ecosystems. Using the colors at left, fill in the correct ecosystem.

Estes Park is in the	_ ecosystem
Rainbow Curve is in the	ecosystem.
The Alpine Visitor Center is in the	ecosystem.
Milner Pass is in the	ecosystem.
Land next to the Colorado River is part of the	ecosystem.
The town of Grand Lake is in the	ecosystem.



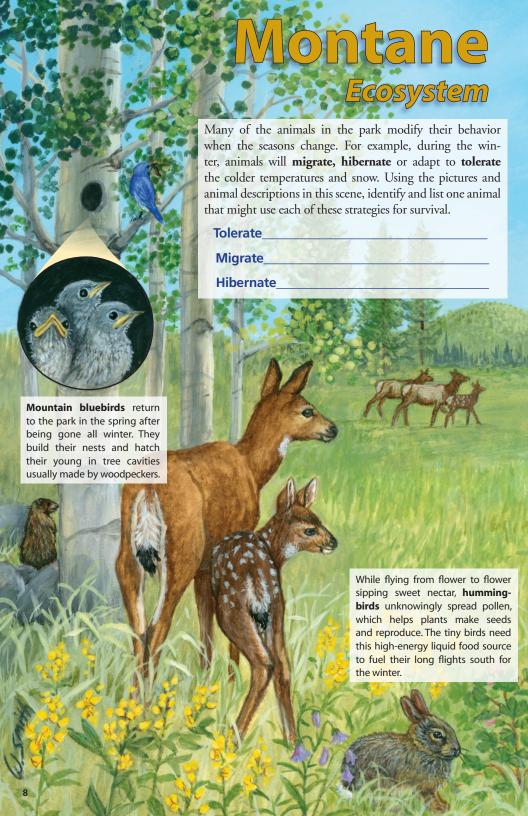
ACTIVITY 3 Wildlife Watch

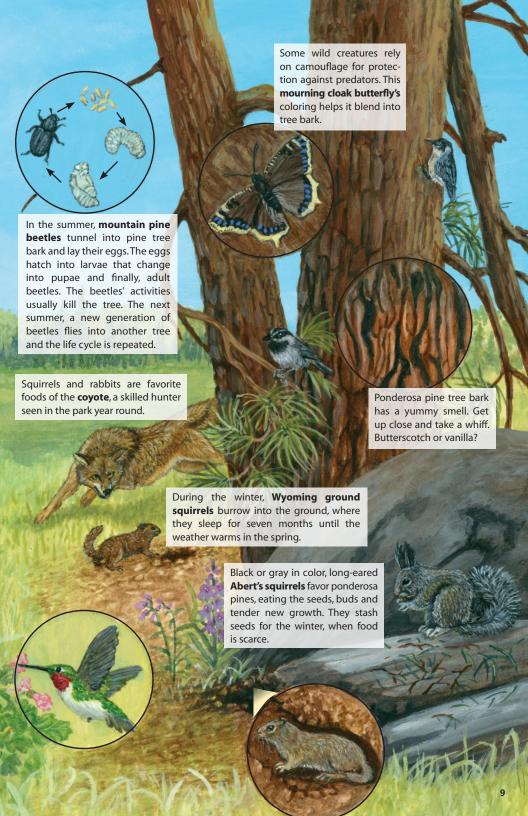
People come from all over to see the park's wildlife. Pictured below are some of the animals commonly seen in the park. They are listed in the ecosystem where they are often spotted, but you may see them in other places. As you explore the park, see how many you can find and check them off.











ACTIVITY 4 Food Web Connections

These activities exploring the park's ecosystems help show how animals and plants interact with the environment and how all life is connected. Using your knowledge of predator and prey relationships, draw arrows from each animal to the foods you think it eats (other animals or plants). **Hint:** Some animals eat more than one.



ACTIVITY 5 Animal Signs Treasure Hunt

Animal signs tell you what lives where. There are lots of different tracks, nests and scat in the park. If you see any of these wildlife signs, check them off. In the blank space below, draw the animal signs **you** observed.



seen in the park?





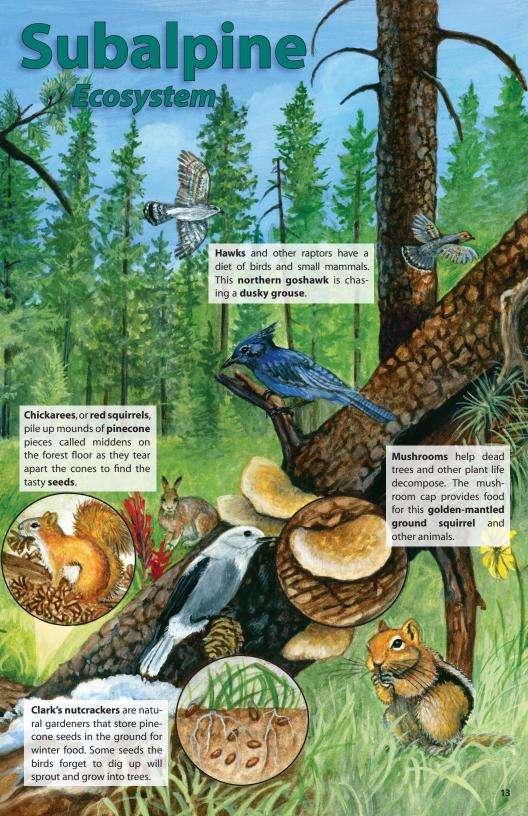
one also may be used

by other animals.

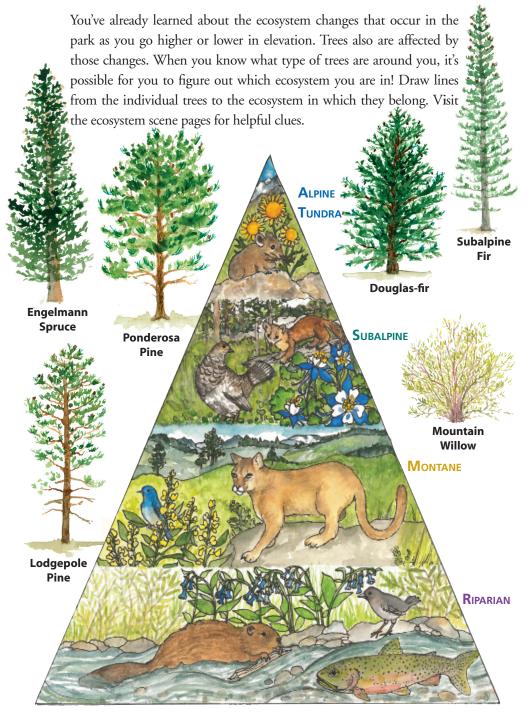


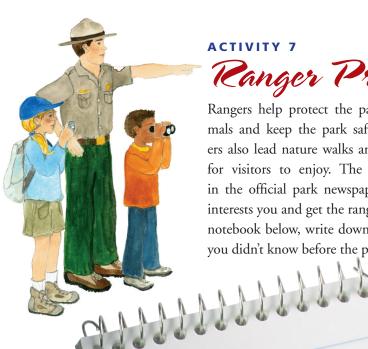






ACTIVITY 6 Tree Finder





ACTIVITY 7

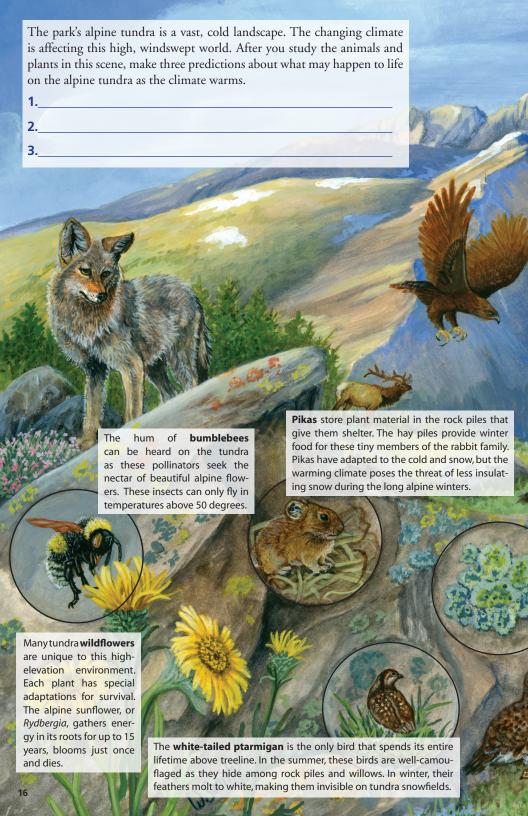
Ranger Programs

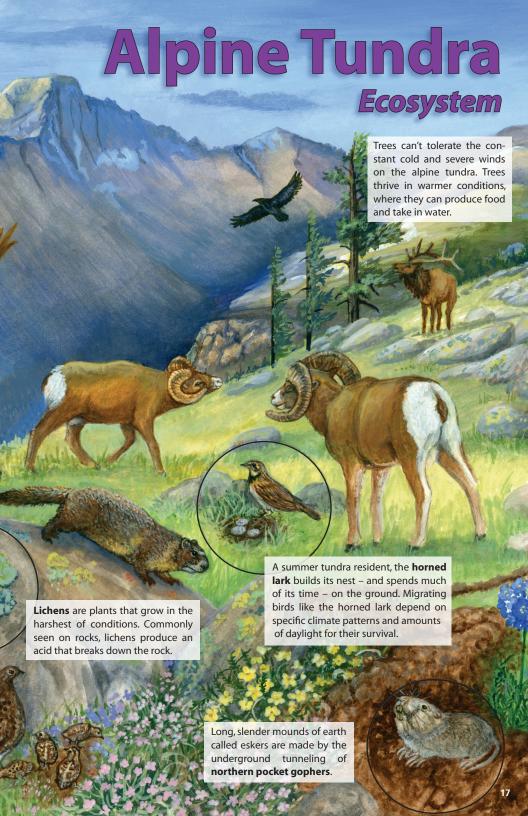
Rangers help protect the park's plants and animals and keep the park safe for visitors. Rangers also lead nature walks and evening programs for visitors to enjoy. The programs are listed in the official park newspaper. Attend one that interests you and get the ranger's signature. In the notebook below, write down at least three things you didn't know before the program.

Program I attended: Cool things | learned:



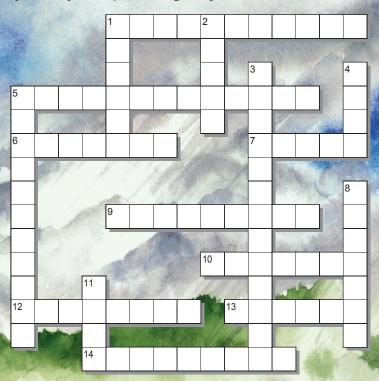
signature:





ACTIVITY 8 Weather Words

Complete the puzzle by answering the questions below.



Λ	C	D	0	C	C

1. Use a	_ to measure the
temperature of air or wat	er.

- Mountains cause warm air to rise, cool and form dramatic clouds that build into rumbling summer
- 6.The _____ ecosystem is the lowest, warmest and driest life zone.
- 7. The wispy cirrus _____ is common in the summer skies.
- 9. More snow and rain fall in the _____ ecosystem than in the montane ecosystem just below it.
- 10. Before you go out to explore the park, drop by any visitor center for the latest report.
- 12. During spring, melting snow fills the rivers, streams and lakes. The land next to these bodies of water is called the ecosystem.
- 13. Precipitation that falls west of the Continental flows toward the Pacific Ocean. Rain and melting snow to the east flow toward the Atlantic Ocean.

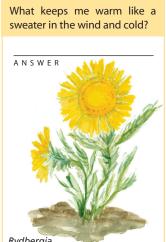
14. Dangerous	strikes most often
occur on mountaintops,	near water and in
open areas.	

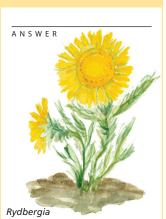
DOWN

- 1. Weather on the treeless alpine _____ can be extreme.
- Streams and rivers run fullest when snow in the mountains ______ in the spring and early summer.
- As elevation increases, rainfall and snowfall, also known as ______
 increases.
- 4. The ______ speed on the alpine tundra has topped 150 miles per hour.
- 5. As elevation increases, the of the air becomes cooler.
- 11. Summer storms can produce a frozen precipitation that falls in the form of ice pellets.

ACTIVITY 9 Alpine Tundra **Adaptations**

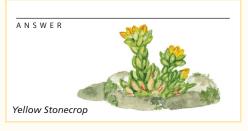
The plants found on the alpine tundra have adaptations that enable them to survive in this cold, windswept ecosystem. Look carefully at these pictures to answer each question. Visit the Alpine Visitor Center to further discover life on the tundra.



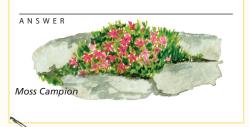




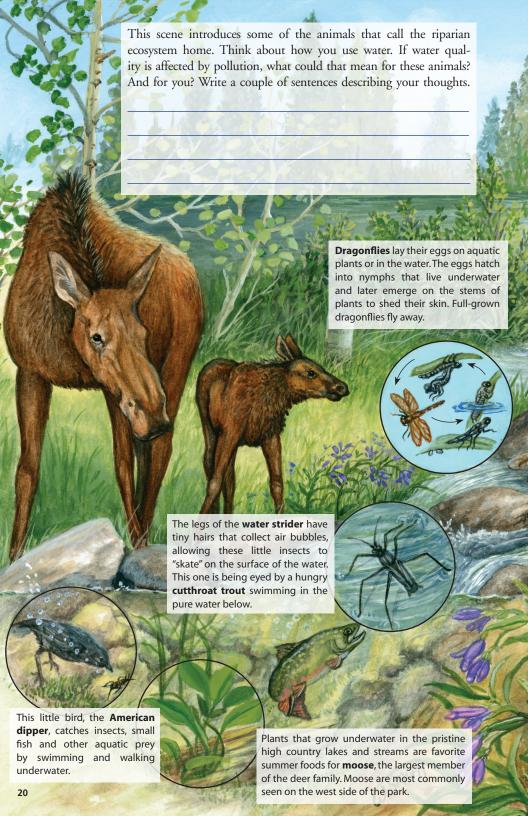
What covers me like a sunscreen and keeps the water in me from evaporating in the intense sun and wind?

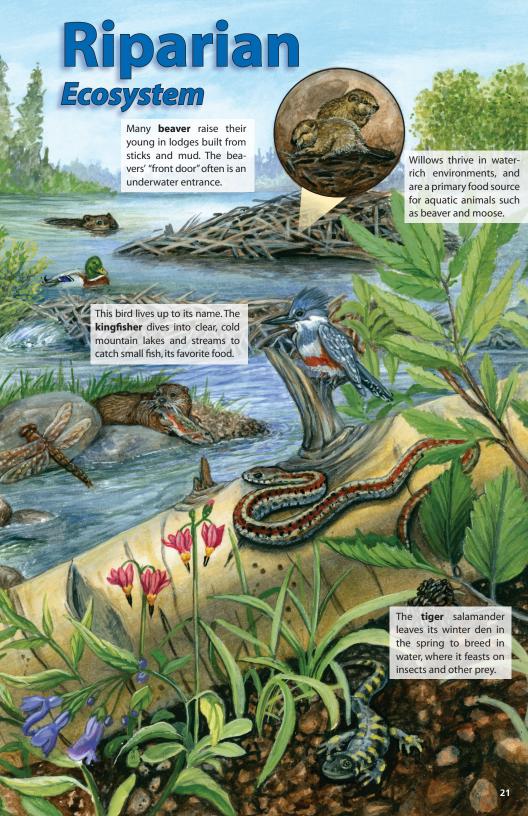


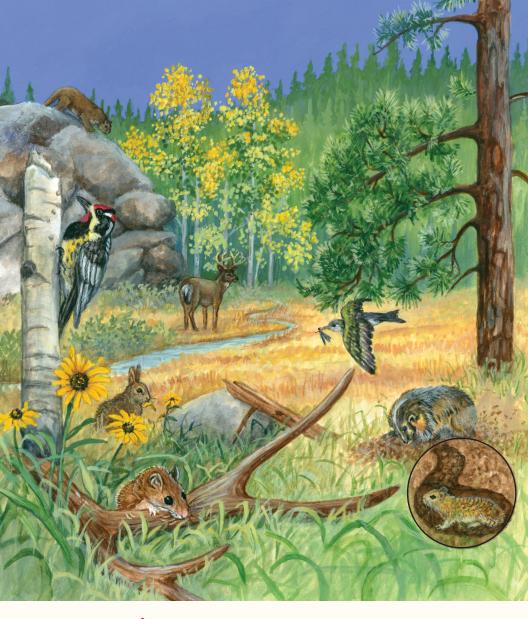
How do I hide from the cold wind and stay kind of warm?











ACTIVITY 10 Observation Skills

You have visited Rocky Mountain National Park, discovered four incredible ecosystems and seen how many plants and animals interact with one another and their environments. Put your skills to the test. Look carefully at the illustration above and circle three or more examples of natural interactions or relationships. **Hint:** There are six in the picture.

ACTIVITY 11 You Are A Qunior Ranger!

Find a safe, quiet place. Sit down and take the time to observe everything around you. Look, listen touch and smell. 222222 In the notebook, describe or draw a memory you have made at Rocky Mountain National Park. As a Junior Ranger, it will be your job to share this special place with all of your friends. What was your favorite thing about this park? What are you going to share with your friends and family when you get home?

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Junior Ranger Pledge

As a Junior Ranger, I promise to help protect Rocky Mountain National Park, my neighborhood parks and all other natural areas by being a responsible steward of the environment.

- I will help keep wildlife wild by not feeding animals.
- I will help protect plants by not picking them.
- I will help keep parks beautiful by placing trash in recycling bins or trash cans.

• I will enjoy nature safely and be a good example to others.

Congratulations

JUNIOR RANGER!

You are an important part of this park.
Stay in touch. Contact us anytime at
romo_junior_ranger@nps.gov

Look for Junior Ranger products at RMConservancy.org



Certificate of Achievement

This certifies that

has <mark>m</mark>et the requirements <mark>o</mark>f a Rocky Mountain National Park Junior Ranger

Ranger Signature Date